

1 article in the New England Journal of Medicine in
2 1981.

3 Again, let me repeat that those articles are
4 admitted not for the truth asserted in those
5 articles, but just for the fact that information was
6 either known or available to the defendant.

7 You may call your next witness.

8 MS. DESCHAMPS-BRALY: The plaintiff would
9 call Doctor Kent Westbrook.

10 KENT WESTBROOK, M.D.,
11 called as a witness on behalf of the plaintiff, being
12 first duly sworn, testified as follows:

13 DIRECT EXAMINATION

14 BY MS. DESCHAMPS-BRALY:

15 Q. Doctor Westbrook, would you be kind enough
16 to introduce yourself for the Court and the jury,
17 please.

18 A. I'm Kent C. Westbrook.

19 Q. Where do you live, sir?

20 A. I live in [DELETED]

21

22 Q. What is your profession?

23 A. I'm a surgical oncologist, which means I am
24 a surgeon with special training in the management of
25 cancer by surgery.

1 Q. Now, Doctor Westbrook, I know that you have
2 told me that you don't want to brag, but we need to
3 explain to the jury what your qualifications are to
4 be testifying here today, so let me take you back a
5 few years and ask you where you went to college.

6 A. I went to the University of Arkansas in
7 Fayetteville, Arkansas.

8 Q. And where did you get your medical training?

9 A. The University of Arkansas Medical School in
10 Little Rock, Arkansas.

11 Q. And your internship?

12 A. At the same institution. And then I did a
13 surgery residency in that same facility.

14 Q. Where have you been practicing since that
15 time?

16 A. Upon completion of my residency I went to
17 the M.D. Anderson Cancer Hospital and Tumor Institute
18 in Houston, Texas, which is one of the major cancer
19 centers in the country. I spent a year there as a
20 fellow and second year as what is called a faculty
21 associate, which is a junior staff position. I
22 stayed on another month or two after that to complete
23 a study. Then I returned to the medical school at
24 the University of Arkansas where I have been since
25 1972, I guess that would be.

1 Q. Are you board certified, sir?

2 A. I'm board certified in general surgery.

3 Q. Now, would you be kind enough to tell us
4 about some of the professional associations that you
5 belong to.

6 A. Well, at the present time, the ones that are
7 really pertinent here, I am a member of the Society
8 of Surgical Oncology. That's a group of surgeons
9 that treat cancer by surgery.

10 I am a member of the Society of Head and
11 Neck Surgery, which are surgeons that have special
12 training and skill in the treatment of head and neck
13 cancers.

14 I am a member of the American Society for
15 Clinical Oncology, which is an investigative society
16 that's made up of specialists, surgeons, medical
17 therapists, et cetera, that are all interested in
18 cancer.

19 Q. Doctor Westbrook, I have a textbook in my
20 hand entitled "Textbook of Radiology" by Gilbert H.
21 Fletcher, the third edition. Are you familiar with
22 that?

23 A. I think that is "Textbook of Radiotherapy,"
24 isn't it?

25 Q. I'm sorry. "Radiotherapy," that's correct.

1 A. This is "Textbook of Radiotherapy."

2 Radiotherapy is the treatment of cancer with x-ray
3 therapy. Over the years I have been involved in many
4 areas other than just surgery.

5 For example, during medical school I worked
6 in the pathology department for three years,. When I
7 was at M. D. Anderson, I came to know Doctor
8 Fletcher, who was chief of radiation therapy, and
9 Doctor Jesse, who was chief of head and neck, very
10 well.

11 Doctor Fletcher asked me to review a chapter
12 that he was writing for that book, and I, just being
13 very young, just tore the chapter to pieces and gave
14 it back to him.

15 He said, "Well, if it's that bad, just
16 rewrite it." So I rewrote it. So there is one
17 chapter in that that I wrote.

18 After I did that, he said, "Well, here's
19 another one to work on," so there are two chapters in
20 that book that I basically put together with Doctor
21 Fletcher and Doctor Jesse.

22 Q. May I ask you, sir, if you consider this
23 book to be authoritative?

24 A. Yes, that's an authoritative book on
25 radiotherapy.

1 Q. Thank you.

2 Doctor Westbrook, I have another book here
3 entitled "Cancer of the Head and Neck" -- now, I
4 don't know whether I can get this name out quite
5 right or not -- by James Y. Suen?

6 A. Suen, that's correct.

7 Q. And Eugene N. Meyers?

8 A. That's correct.

9 Q. Are you acquainted with this textbook?

10 A. Yes. That textbook, Doctor Suen is an
11 associate of mine. Doctor Suen works at Arkansas
12 with me.

13 After I came back from M.D. Anderson and had
14 trained in head and neck surgery, I wanted to
15 establish a head and neck cancer service at the
16 University of Arkansas. Doctor Son is an ENT
17 surgeon. He was the first ENT surgeon that ever got
18 to train at M.D. Anderson. There has always been
19 rivalry between general surgeons and ENT surgeons on
20 who should operate on the head and neck, and Anderson
21 was run by a group of general surgeons.

22 But Doctor Suen went down and trained in
23 head and neck surgery at M. D. Anderson. I then
24 recruited him back to Arkansas, and he and I together
25 have been working in the head and neck field for many

1 years.

2 One of my roles there now is that I am the
3 director of the Arkansas Cancer Research Center,
4 which means that basically I'm in charge of
5 education, research and patient care for the entire
6 University of Arkansas Medical School. Doctor Suen
7 now is in charge of our head and neck program, and he
8 with Doctor Meyers put that book together several
9 years ago, and as far as I'm concerned, it is the
10 standard textbook for head and neck cancer today.

11 Q. Doctor Westbrook, are you acquainted with
12 any of the authors that have made contributions to
13 this book?

14 A. Well, if you look at the list of authors, it
15 reads like a Who's Who in head and neck surgery in
16 the country today. I think the first chapter was
17 written by Doctor Richard Jesse, who was chief of
18 head and neck surgery at M. D. Anderson when I
19 trained there and when Doctor Suen trained there. He
20 has since died of cirrhosis of the liver that he got
21 from hepatitis while he was operating.

22 In addition, Doctor Elliott Strong, who's
23 chief of the head and neck service at Memorial
24 Hospital in New York, wrote a chapter in the book. I
25 have a chapter in the book; Doctor Suen has a chapter

1 or two in the book. So it is made up of chapters
2 from people all over the country, but it is
3 considered to be the standard book in head and neck
4 surgery today.

5 Q. I gather that means you do find it to be
6 authoritative.

7 A. Yes, ma'am.

8 Q. Doctor Westbrook, have you been published in
9 the literature other than the chapters that we have
10 just been discussing?

11 A. I do not have my CV here in front of me. I
12 have written approximately 50 articles for the
13 general literature. I have written, I think, five
14 chapters on head and neck cancer, some of which I
15 have already mentioned, some of which are in other
16 textbooks. I have made 15 or 20 movies, videotapes,
17 et cetera, that have been shown at various meetings,
18 some of which deal with head and neck, some of which
19 deal with other types of cancer.

20 Q. All right, sir. Let's move on to your
21 practice. During your years as a surgical
22 oncologist, have you had occasion to see patients
23 suffering from head and neck cancer?

24 A. Yes. As I said, Doctor Son and I
25 established the first real head and neck cancer

1 program in Arkansas. In fact, we obtained national
2 funding of \$300,000 a year to develop what was called
3 a head and neck cancer demonstration project, and we
4 developed a very big head and neck service with a
5 rehabilitation service in Little Rock.

6 So I have treated head and neck cancer
7 patients ever since my residency. I don't treat as
8 many today as I did a few years ago because of the
9 administrative duties that I have today.

10 Q. Now, sir, during this period of time can you
11 give us any idea of how many head and neck cancer
12 patients you have seen?

13 A. Well, I would say that I have personally
14 treated probably 700, 800 or a thousand patients.
15 Now, if you counted patients that I saw when I was
16 working with other people, it would run up into the
17 thousands, but I think that I have personally managed
18 just under a thousand patients.

19 Q. Can you give me any idea of how many of
20 those patients suffering from head and neck cancer
21 were nontobacco users?

22 A. Oh, maybe, out of the total number -- now,
23 when we say "head and neck cancer," I am going to
24 exclude the skin and just limit it to the cancer of
25 the mouth and the throat. In that group of patients

1 I would say that 95 to 98 percent are tobacco users
2 in one form or another.

3 Q. Doctor Westbrook, have you ever done any
4 independent research regarding the use of snuff in
5 oral cancer?

6 A. I have not done any laboratory research
7 where you work with animals, but by being located in
8 Arkansas, we started seeing a very large number of
9 people that had what appeared to us to be very
10 typical lesions. In fact, if you go back through the
11 charts for 20 years, at most cancer institutions you
12 see an array of snuff dipper's carcinoma or snuff
13 dipper's cancer.

14 As a result of seeing several of these
15 patients, we became interested in trying to establish
16 whether we thought there really was a relationship
17 between snuff and oral cancer of a particular type
18 and also what the features of that particular type of
19 cancer were.

20 So, yes, we did a study in which we took a
21 group of women that had a particular type of cancer.
22 They had cancer that was located either on their
23 upper gum, their cheek or their lower gum. Now, the
24 reason we selected that is because from our past
25 experience just in dealing with patients, those were

1 the ones that we were convinced were snuff -- were
2 related to dipping snuff.

3 MS. DESCHAMPS-BRALY: Your Honor, may I
4 approach the witness?

5 THE COURT: (Nodding yes).

6 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,
7 let me hand you what has been marked as Plaintiff's
8 Exhibit 25. Would you please tell us what that is.

9 A. That's a copy of the paper that resulted
10 from our work and from our presentation.

11 Q. Would you please explain to us some of the
12 methods and what you did in order to carry out this
13 study.

14 A. We took a 20-year period from 1955 through
15 1975, I think it was, and we identified every patient
16 that was seen in our hospital, every female patient
17 that had cancer either of the upper gum, the cheek or
18 the lower gum.

19 And then we -- there were 55 patients in
20 that group. And then we matched those with patients
21 of the same sex, obviously, which were just only
22 females of the same race and of the same age, and we
23 had the people in medical records simply
24 take -- when patients come into our hospital, they
25 are assigned a number, so the number just keeps

1 getting higher and higher.

2 So we took the next patient in sequence that
3 met those criteria, that is, same age, same sex, same
4 race, and we used them as our control group. That
5 was the best we could do for a control group.

6 We then looked at the two groups of patients
7 with regard to the factors that are felt to be
8 important in the development of head and neck
9 cancer -- tobacco, alcohol, the way dentures fit,
10 whether or not they had teeth in poor condition. And
11 in this group, obviously, it became very obvious that
12 snuff was a causative factor in these patients. 50
13 of the 55 women were chronic users of snuff; whereas,
14 in our control group there was only one patient that
15 was a chronic user of snuff to our knowledge.

16 Now, this was done from medical records, and
17 there could be a little error in it, but still there
18 would not be an error of the magnitude of the
19 difference in 50 users versus one user.

20 Q. Doctor, would you read the name of the study
21 that you have in front of you, please.

22 A. "Snuff Dipper's Carcinoma: Fact or
23 Fiction."

24 Q. And the year of that study?

25 A. It was published in 1980. It was presented

1 in 1976 at an international conference on cancer.

2 Q. And, sir, do you adopt the statements in
3 that study as your statement here in court today?

4 A. Yes, ma'am.

5 MS. DESCHAMPS-BRALY: Your Honor, I would
6 move the admission of this study into evidence.

7 THE COURT: Any objection?

8 MR. JENNINGS: No objection, Your Honor.

9 THE COURT: Plaintiff's 25 -- is it 25 --

10 THE WITNESS: Yes, sir.

11 THE COURT: -- will be admitted.

12 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,
13 as we are starting out right now, could you explain
14 the difference? We have been referring since this
15 case started to what is known as squamous cell
16 carcinoma. There is another type called verrucous
17 carcinoma. Could you explain the difference between
18 those two types of cancers, please.

19 A. Well, let me use -- may I use the board,
20 sir?

21 THE COURT: (Nodding yes).

22 Q. (BY MS. DESCHAMPS-BRALY) Do you need a
23 marker?

24 A. There is some kind of marker. If you would
25 have a heavy black marker, I would rather have it.

1 | (Handed to the witness).

2 A. The lining of the oral cavity is what's
3 called squamous epithelium, and that means if you
4 look at it under the microscope and this is the top,
5 there are a lot of cells with the kind of shape
6 something like this.

7 Now, when something goes wrong and cancer
8 develops from those cells, then it is called a
9 squamous cell carcinoma. So these are squamous
10 cells, and when they develop with cancer, it is
11 called squamous cell carcinoma. Verrucal carcinoma
12 is a variant of squamous cell carcinoma.

22 And frequently what is called a verrucal
23 carcinoma will just kind of grow on top of that
24 membrane. But it's another type of squamous cell
25 carcinoma. Then other squamous cell carcinomas can.

1 be classified based on how nearly they look like
2 normal cells.

3 You can even say that they are well-
4 differentiated, in which case they look normal. You
5 can say they are poorly differentiated, in which case
6 they look abnormal. Or you can say they are
7 undifferentiated, in which case you can just barely
8 tell that they are squamous cells. So basically
9 that's what squamous cell carcinoma is.

10 Q. Doctor Westbrook, could you explain what
11 happens when these squamous cell carcinomas start to
12 invade.

13 A. Let's just take a fairly typical squamous
14 cell carcinoma. All of the oral cavity is lined with
15 squamous cells. 99 percent of the cancers that occur
16 in the mouth occur from these cells, so they are
17 called squamous cell carcinoma.

18 Regardless of the type of cancer it is, if
19 enough time goes by, it breaks through that basement
20 membrane, and then in addition it starts to destroy
21 normal cells and it can either become heaped up or if
22 the cells start dying off, instead of coming across
23 and heaping up, it can become ulcerated and look like
24 or it can become a combination of the two. So that's
25 what can happen locally.

1 Then in addition those cells can break loose
2 from where they are and get into the bloodstream and
3 go all the over body, but more commonly, more
4 commonly, let's say that this is one of the tongue.
5 Here is the tongue, and you have got a cancer on it.
6 After it invades into the tongue or at the same time
7 or even before, cells can break loose and get into
8 what is called the lymphatics.

9 Now, the lymphatics are tiny channels in
10 your body that when the blood circulates, some of the
11 fluid in the blood leaks out into the tissue and
12 doesn't go back to the heart through the blood
13 vessels, but rather gets into what's called little
14 lymphatic channels and goes back and eventually gets
15 into the vein through these lymphatic channels.

16 And those channels drain through what you
17 and I usually call kernels. Those are the little
18 lymph nodes. When you get a sore throat, you get a
19 knot in your throat. That is a kernel or lymph node.
20 So lymphatic channels drain through lymph nodes.

21 So some fix breaks through a cancer, and
22 gets into the lymphatic channel. They can come down
23 here to a lymph node and get hung up in a lymph node
24 because it acts like a filter, and then they can
25 develop a secondary cancer in the lymph node, and the

1 primary cancer is up here.

2 So the cancer that develops grows locally in
3 the tongue, and in half of the patients or something
4 like that cells break loose and go to the lymph
5 nodes.

6 Q. Thank you, Doctor. Doctor Westbrook, do you
7 have an opinion as to whether snuff is a cause of
8 oral cancer?

9 A. Oh, I don't think there's any question about
10 that. I think that based on my experience --

11 Q. That was my next question, sir.

12 A. Based on my experience, you know, I see
13 certain lesions that either I can walk in or I can
14 take one of my other associates and have them walk in
15 and look at this lesion, and they will say, "That
16 patient dips snuff," and they will be right 90
17 percent of the time.

18 From the literature I think you know there
19 is plenty of evidence in the literature that snuff
20 causes cancer. The phrase "snuff dipper's carcinoma"
21 is all through the literature. From a scientific
22 standpoint, basedly, you know, I don't try to read
23 all the articles in the literature, but I depend upon
24 groups of people that come together and review the
25 literature and issue official opinions. And there

1 have been two major opinions issued on this problem
2 within the last year or two.

3 Q. What are those, Doctor?

4 A. The International Agency for the Research on
5 Cancer, the IARC, has issued a large monograph in
6 which they say basically that snuff causes oral
7 cancer. Then there was a consensus panel held in
8 Washington this year, sponsored by the National
9 Cancer Institute, and the conclusion was there that
10 the evidence is very strong that snuff causes oral
11 cancer.

12 So when you get a group of scientists
13 together and they analyze everything that is
14 available to them and they come out with a very firm
15 position, then I'm certainly not going to argue with
16 them.

17 Q. Thank you, Doctor. Let me move you along
18 now to something that is of particular interest in
19 this courtroom, and that is Sean Marsee. Have you
20 had the opportunity to review the medical records of
21 Marvin Sean Marsee?

22 A. I have reviewed his record.

23 Q. Did that include his pediatric records?

24 A. It included a summary of the visits that he
25 had made to a physician all his life, I guess.

1 Q. After having done that, Doctor Westbrook, do
2 you have an opinion as to what caused Sean Marsee's
3 oral cancer?

4 A. In my opinion Sean Marsee's oral cancer was
5 caused by dipping snuff.

6 Q. And on what do you base that opinion, sir?

7 A. Well, I start out with the position that it
8 is pretty clearly demonstrated that snuff causes oral
9 cancer. I don't think there is going to be any real
10 question about that. Then we have a young man that
11 dipped snuff for six or seven years in a very heavy
12 fashion. He develops an oral cancer close to where
13 the snuff was held. I see no other explanation.

14 I think you would have to really -- it would
15 take a heap of faith to try to find another cause for
16 that cancer. You would really have to hunt around to
17 try to explain it any other way, because when you got
18 a known etiologic agent, you have got known exposure
19 and you have got a squamous cell carcinoma that
20 develops in that area, there's no reason to look for
21 another explanation.

22 Q. Now, Doctor, are you aware that there are
23 some people who do develop mouth cancer without the
24 use of tobacco?

25 A. Certainly.

1 Q. Did you take this into account in reaching
2 your decision as to what you felt was the cause of
3 Sean Marsee's cancer?

4 A. Yes, I took that into account, but when you
5 have an obvious etiological agent, you know, you
6 don't start saying, "Well, it is unexplainable." For
7 example, you know, if you took 15-year-old boys that
8 just dropped dead, the most common cause would be
9 that their heart has an arrhythmia for some reason.
10 But if you were sitting in your home and there was a
11 thunderstorm going on and a child walked across the
12 field and you saw him struck by lightning, you would
13 make the assumption that the lightning killed him
14 rather than that he had heart disease and just had an
15 arrhythmia.

16 So the same thing is true here. When you
17 got an obvious etiological agent, I don't see any
18 reason to go fishing.

19 Q. Doctor Westbrook, have you had occasion to
20 talk with Doctor Carl Hook?

21 A. Yes, ma'am.

22 Q. About Sean Marsee?

23 A. Yes, ma'am.

24 Q. Do you remember approximately when that
25 conversation took place?

1 A. Time is not one of my better areas. I think
2 it was three or four months ago.

3 Q. Are you aware of the treatment that was
4 rendered to Sean --

5 A. Yes, ma'am.

6 Q. -- by Doctor Hook?

7 A. Yes, ma'am.

8 Q. Have you had some charts prepared under your
9 supervision that show the progress of Sean's disease?

10 A. I have drawings that were made based on the
11 descriptions from the medical records and the
12 photographs that were made by Doctor Hook.

13 Q. And are these fair and accurate
14 representations --

15 A. Yes, ma'am.

16 Q. -- of what those records reflect?

17 Doctor, let me hand you what are Plaintiff's
18 Exhibits 34-a through e, and I think they are in
19 reverse order.

20 A. We can take care of that.

21 Q. All right.

22 A. We will start at the bottom and work up.
23 That should do it, shouldn't it?

24 Q. Yes, sir.

25 MR. JENNINGS: Before they show them to the

1 jury, I would like the opportunity to make a record.

2 MS. DESCHAMPS-BRALY: I'm sorry, Mr.
3 Jennings. Of course.

4 THE COURT: Do you want to ask further
5 questions?

6 MR. JENNINGS: I wonder, do you have
7 photographs of the charts that --

8 MS. DESCHAMPS-BRALY: I do not.

9 MR. BRALY: They were furnished.

10 MS. DESCHAMPS-BRALY: They have been
11 furnished to you previously.

12 THE COURT: Come on up.

13 (The following proceedings were had AT THE SIDE
14 BAR.)

15 MS. DESCHAMPS-BRALY: At the time that we
16 exchanged copies and so forth of the exhibits, they
17 received photographs of these charts, but I don't
18 have any pictures of them with me today.

19 THE COURT: Okay.

20 MR. JENNINGS: Of course, we made objections
21 to those at the time that they were listed.

22 MS. DESCHAMPS-BRALY: Right.

23 THE COURT: What is your objection?

24 MR. JENNINGS: If the Court please, I need
25 to see specific charts in order to make specific

1 objections.

2 MR. JENNINGS: If the Court please, we
3 object to that chart because it is somebody's
4 conception of what happens with regard to the
5 tobacco, and it is going to be taken by the jury as
6 showing what in fact did happen.

7 MS. DESCHAMPS-BRALY: Your Honor, his
8 testimony is -- I'm sorry, Mr. Jennings.

9 MR. FINNEGAN: Mrs. Marsee testified he put
10 the snuff up here, Your Honor. I mean she pointed to
11 that area.

12 THE COURT: I am not even sure what I am
13 looking at.

14 MS. DESCHAMPS-BRALY: Now, this is the
15 tongue right here. This is a retractor, pulling the
16 cheek back like this so you can see the teeth.

17 MR. FINNEGAN: Is this the front of the
18 mouth, Mrs. Braly.

19 MS. DESCHAMPS-BRALY: That is the front of
20 the mouth.

21 MR. FINNEGAN: This exhibit shows that he
22 had it to the side. There is no testimony --

23 MR. FINNEGAN: There is no testimony by
24 anybody that saw him dipping -- that differs from
25 the fact that it was up in the front of the mouth,

1 from the middle to the side.

2 MS. DESCHAMPS-BRALY: The testimony, Doctor
3 Carl Hook has testified where Sean told him that he
4 put the snuff in connection with his treatment. This
5 gentleman is going to testify only that this
6 represents what he has ascertained from the medical
7 records.

8 THE COURT: Isn't that what Doctor Hook
9 said?

10 MR. FINNEGAN: Doctor Hook testified that he
11 put it in the right side and this is the right side
12 and the only person that -- he testified that Sean
13 never showed him exactly where. He only told him
14 that he put it on the right side. Mrs. Marsee, the
15 plaintiff in this lawsuit, has testified and pointed
16 to the part from here to here (indicating) at least
17 four times.

18 MR. JENNINGS: If the Court please, the
19 portion of the exhibit that I particularly object to
20 is showing the stain on the side of the tongue.
21 There is absolutely no testimony that there was ever
22 such a condition at the time, and that is an effort
23 by use of the exhibit to try to convince the jury
24 that something happened about which there is no
25 evidence.

1 MS. DESCHAMPS-BRALY: Your Honor, we have
2 had one witness who testifies that you can't dip
3 snuff without getting it on your tongue. Doctor
4 Westbrook is going to testify to the very same thing,
5 and the fact that they disagree doesn't make it not
6 relevant.

7 THE COURT: What is this supposed to
8 reflect?

9 MR. JENNINGS: That's what I want to know.

10 MS. DESCHAMPS-BRALY: That is supposed to
11 reflect the tobacco juice that gets on the tongue.

12 MR. FINNEGAN: There is no evidence, Your
13 Honor, that Sean Marsee had tobacco juice on the side
14 of his tongue.

15 THE COURT: Is there any doubt that he
16 would?

17 MR. FINNEGAN: Yes, there is, Your Honor,
18 yes, there is, of course.

19 MR. JENNINGS: That indicates that he had
20 tobacco right on side of his tongue and no place
21 else, Your Honor. That's the whole point. It is
22 misleading to the jury.

23 THE COURT: Let me see what else you have
24 got.

25 MR. JENNINGS: You don't mind covering that,

1 do you, George?

2 MS. DESCHAMPS-BRALY: Your Honor, this
3 illustration represents the leukoplakia as found by
4 Doctor Balz on January 11, 1983.

5 MR. JENNINGS: If the Court please, as far
6 as I know, Doctor Balz was the only one who saw
7 leukoplakia. If he describes a condition such as is
8 shown there, then this would be admissible.

9 THE COURT: All right. I think -- I have
10 read his deposition and --

11 MS. DESCHAMPS-BRALY: His medical records
12 say --

13 THE COURT: That it did?

14 MR. JENNINGS: If the Court please, what I
15 mean, if he will say that this is an accurate
16 representation of what he saw, then I think it is
17 entirely admissible.

18 THE COURT: This witness didn't see it.

19 MR. BRALY: He didn't --

20 MS. DESCHAMPS-BRALY: No.

21 MR. BRALY: -- rely on the medical records
22 to interpret exhibits, Your Honor.

23 THE COURT: Do you have an objection to this
24 exhibit or not?

25 MR. JENNINGS: I have an objection unless

1 Doctor Balz says or somebody who knows says that it
2 accurately portrays the condition he saw.

3 MR. FINNEGAN: Your Honor, the lateral
4 border of the tongue, that is from the back to the
5 front, and they have chosen to put it in a particular
6 spot. And only Doctor Balz can testify as to where
7 it was, whether it was back there or whether it was
8 here (indicating).

9 THE COURT: What's next?

10 MS. DESCHAMPS-BRALY: This illustrates the
11 ulcer on the tongue as taken from Carl Hook's
12 photograph.

13 MR. JENNINGS: I have no objection to that.

14 THE COURT: All right.

15 MS. DESCHAMPS-BRALY: Shall we go through
16 the other two then?

17 THE COURT: (Nodding yes).

18 MS. DESCHAMPS-BRALY: This one represents
19 the portion of the tongue that was removed by Carl
20 Hook.

21 MR. JENNINGS: I have no objection to that.

22 THE COURT: That would be D, C and D, no
23 objection.

24 THE CLERK: What is the first number?

25 MS. DESCHAMPS-BRALY: 34-a through e.

1 This is after -- from the Carl Hook
2 photographs he sewed up what he took out.

3 MR. JENNINGS: No objection.

4 MR. FINNEGAN: No objection to that.

5 THE COURT: Let's go back to the first two.

6 MR. FINNEGAN: Your Honor, may it please the
7 Court, Doctor Hook's medical records indicate that
8 the boy's mouth was clean, aside from the cancer on
9 the tongue. This would suggest that there is tobacco
10 juice on the boy's tongue, and there is no evidence
11 that Sean Marsee had that kind of situation.

12 MS. DESCHAMPS-BRALY: I don't have that --
13 By "clean mouth," he was referring to the mouth that
14 he had no gum recession.

15 THE COURT: How are you going to use this?

16 MR. BRALY: A natural progression from the
17 contact with the carcinogen to the premalignant
18 leukoplakia that that was reported on the right
19 lateral portion of the gingiva by Doctor Balz in Sean
20 Marsee's medical records to the ulcerated lesion on
21 the right lateral border of the tongue that's in
22 Doctor Hook's medical records and of which we have a
23 photograph.

24 MR. FINNEGAN: Your Honor, they have created
25 an impression here of putting the snuff in a place

1 different from where Mrs. Marsee testified that he
2 held the snuff. They are showing tobacco, some kind
3 of a stain on the tongue, and there is no evidence
4 that Sean Marsee had that kind of a stain. This is
5 an impactful picture. This is prejudicial, and it is
6 not supported by the evidence in this case, Your
7 Honor.

8 MS. DESCHAMPS-BRALY: It may be, as you say,
9 Mr. Finnegan that there is a conflict of testimony, I
10 don't believe there is, but you are entitled to your
11 opinion, that is for the jury to decide.

12 MR. FINNEGAN: There is no testimony by
13 anyone who saw Sean put it there or who examined him
14 and saw it there. The testimony of Doctor Hook was
15 that it was on the right side. That's as far as he
16 went.

17 THE COURT: That doesn't particularly --

18 MS. DESCHAMP-BRALY: He said next to the
19 molar.

20 THE COURT: That doesn't particularly
21 disturb me. This did (indicating). I am going to
22 sustain the objection to this exhibit, because I just
23 don't think there is any evidence of a discoloration
24 or stain.

25 MR. BRALY: It is not discoloration; it is.

1 just representing the natural tobacco juice.

2 THE COURT: I understand. Sustain the
3 objection.

4 MR. BRALY: We want to make an offer of
5 proof.

6 THE COURT: All right.

7 MR. BRALY: Comes now the plaintiff and with
8 Exhibit 34-a, we will substitute a photographic copy
9 for the record of a normal size, we move the offering
10 of the exhibit for the purpose of showing the natural
11 progression of the disease. The exhibit is supported
12 by the testimony of John Martin, who was just on the
13 witness stand, who testified that the tobacco just
14 gets all over your mouth and it would be supported by
15 the witness who would testify that this is typical of
16 these that he sees, fairly represents it and would be
17 useful and helpful for the jury if nothing else as a
18 demonstrative exhibit.

19 MR. JENNINGS: Now, if the Court please, the
20 only basis of my objection to this exhibit is that I
21 do not know whether or not it accurately shows what
22 Doctor Balz saw. If Doctor Balz says it shows
23 accurately what he saw, I will withdraw my objection
24 to it, but I do not know that at the moment and I
25 don't think how any other witness can tell you what

1 Doctor Balz saw.

2 THE COURT: Do we know, do the medical
3 records indicate where the leukoplakia was?

4 MR. FINNEGAN: Not except on --

5 THE COURT: Let's don't all talk at one
6 time.

7 MR. FINNEGAN: It indicates that it is on
8 the right lateral tongue, but it doesn't tell how big
9 it is or where on the right lateral tongue. I mean
10 are you talking about something that long
11 (indicating), maybe longer, and the medical records
12 indicate that it was here, indicate the size of it.
13 Our only objection is --

14 THE COURT: I certainly think that can be
15 handled on cross-examination. I am going to overrule
16 the objection to that, so is that B --

17 MR. BRALY: Yes.

18 THE COURT: 34-B-C,-D and-E will all be
19 exited. 34-A the objection will be sustained (The
20 following proceedings were had, IN OPEN COURT.)

21 THE COURT: Plaintiffs 34-B,-C,-D, and E will
22 be admitted.

23 Q. (BY MS. DESCHAMPS-BRALY) Doctor Westbrook,
24 on what has been marked as Plaintiff's Exhibit 34-A.
25 Would you please put that up there on the chart?

1 A. This is 34-B; 34-A was the one --

2 Q. 34-B?

3 A. -- disallowed.

4 Q. 34-B. Would you please put that up there on

5 the chart.

6 A. (Witness complies).

7 Q. Doctor Westbrook, I believe I handed you

8 some pictures that have already been admitted into

9 evidence as exhibits. Do you have those with you?

10 A. There are some photographs laying here. Are

11 these the ones you are talking about?

12 Q. Yes, sir.

13 A. Yes.

14 Q. Have you seen those photographs before?

15 A. Yes, ma'am.

16 Q. When did you have the occasion to see those?

17 A. That's been probably a year ago.

18 Q. And how did they come into your possession?

19 A. I guess that you or Mr. Braly mailed them to

20 me, and I looked at them and then made xerox copies

21 and returned them to you.

22 Q. Doctor, do you have any knowledge whether

23 Sean Marsee ever had a leukoplakia on his tongue?

24 A. From the medical record, when he went to the

25 Little Dixie Clinic, I guess in January of '83, he

1 was told that he had leukoplakia and it is described
2 in the medical record.

3 Q. Now, Doctor, is that illustration up there
4 on the board a showing of what a leukoplakia would
5 look like?

6 A. Leukoplakia just means white patch. That's
7 what the word means. And this is to demonstrate a
8 white patch on the tongue. Leukoplakia can either be
9 flat or it can be heaped up a little bit, but that is
10 to demonstrate simply a white patch on the tongue.

11 Q. Now, Doctor, you do not know precisely where
12 the leukoplakia was on Sean's tongue, do you?

13 A. I did not see the patient, all I know is
14 from the medical record.

15 Q. All right. And what did the medical record
16 state was the location of the leukoplakia?

17 A. As I remember, it was on the lateral edge of
18 the right side of his tongue, about half way back.

19 Q. Could you explain to us exactly what the
20 portion of the tongue is that is shown in that
21 illustration?

22 A. The tongue when you look in the mouth, the
23 tongue that you see is called the oral tongue. And
24 basically everything you see here is the oral
25 tongue. This would be the tip. This would be the

1 line down the top of the tongue, and this would be
2 the edge out towards the cheek. So the leukoplakia
3 is located, the best I can tell from the description,
4 on the edge of the tongue next to the right jawbone
5 and the right cheek.

6 Q. Doctor Westbrook, what is the significance
7 of having a leukoplakia?

8 A. Leukoplakia is felt to be a reaction to some
9 type of irritant, because any -- you know, a similar
10 description might be a callus that you get on your
11 finger, if you use it all the time in doing
12 something. A callus you get on your foot. So really
13 leukoplakia is a reaction of the mucosa to a chronic
14 irritation. It is a white patch and it's felt that
15 it is a premalignant lesion. And no one really knows
16 what percentage of these patients go on and get
17 cancer. The literature would say somewhere in the
18 range of 5 percent.

19 Q. And Doctor Westbrook, I understand from what
20 you have said previously that you have seen a lot of
21 snuff users in your practice, is that correct?

22 A. Yes, ma'am.

23 Q. Do you know of your own knowledge whether a
24 person who dips snuff would get snuff and/or tobacco
25 juice on their tongue?

1 A. Well, anything that is in the mouth gets
2 onto the tongue. For example, the saliva that we
3 have in our mouth. Most of that saliva comes from
4 these big glands right here (indicating) and it
5 empties in right here, but it always spills over into
6 the floor of the mouth and then we either swallow it
7 or spit it out. The saliva doesn't stay out of it
8 here; it either goes down or comes out.

9 So anything that is located out here
10 naturally gravitates to the lowest place in the
11 mouth, which is the floor of the mouth, and the
12 tongue forms one side of that and the teeth form the
13 other side of it. It is kind after a gutter,
14 cesspool.

15 Q. Since you have been practicing, have you
16 seen any change in the number of leukoplakias that
17 come through your office?

18 A. We have not seen any real change in the
19 number of older patients with leukoplakia, but we are
20 seeing an increasing number of young people with
21 leukoplakia.

22 This week one of my associates saw two young
23 women that were referred to her from a pediatrician,
24 both of these young ladies had had cancer of some
25 sort, treated by this pediatric oncologist. They had

1 started dipping snuff. They had developed terrible
2 leukoplakia. She sent them to one of my associates
3 saying they have got leukoplakia and I don't want
4 them getting another cancer after I have cured them
5 of one.

6 Q. Doctor, in this particular illustration that
7 is on the board and in the case of Sean Marsee, what
8 significance do you attach to a leukoplakia on the
9 tongue of an 18 year old boy has been a snuff dipper
10 for approximately six years?

11 A. Oh, I think his using the snuff, I think
12 there has been a recent article published in CA, a
13 little publication by the American Cancer Society
14 where they studied teenagers that dipped snuff and
15 they found mucosal changes in about 60 percent of
16 those people that dipped snuff. Now, by mucosal
17 changes, some of them were leukoplakia, some of them
18 turned red. Everyone does not respond to anything
19 the same way. One patient will respond to a chronic
20 irritant by getting a red spot. Another one will get
21 a white spot and some don't get anything.

22 Q. Sir, could I have you take what is now
23 marked as Plaintiff's Exhibit C, I believe, and put
24 that up on the board.

25 A. (Witness complies).

1 Q. Could you tell us, Doctor Westbrook what
2 that illustration is intended to show?

3 A. That is to show the lesion as Doctor Hook
4 first saw it, I guess, in -- was it May or April,
5 April, when he first saw it.

6 Q. Yes, sir.

7 A. And it is based on a photograph that he took
8 at that time (indicating). So this shows a change in
9 the area and he described a change in that instead of
10 seeing a white patch, then he saw an ulcerated area
11 with reaction around it that looked suspicious to
12 him.

13 Q. You do not know for sure, of course, that
14 the ulcer is in precisely the same place that Doctor
15 Balz reported the leukoplakia to be; is that correct?

16 A. No, but as far as I can tell from the
17 record, the leukoplakia was gone and leukoplakia
18 usually doesn't go away if the stimulus is still
19 there. So I assume that the ulcer developed in the
20 side of the leukoplakia, but I don't know that.

21 Q. Sir, what significance do you attach to an
22 ulcer on the side of a tongue of an 18 year old young
23 man who has been a snuff dipper and who has had a
24 leukoplakia in approximately the same location?

25 A. I think one would have been to be very

1 suspicious that this is a squamous cell carcinoma.

2 Q. Doctor Westbrook, let me ask you at this
3 time whether you have an opinion as to the treatment
4 that Doctor Carl Hook rendered to Sean Marsee. Was
5 that proper medical treatment, in your opinion?

6 A. I think the next two exhibits show that
7 treatment. Would you like to go through them first
8 and then have me comment on the treatment?

9 Q. Well, if you would answer the question, and
10 we will go ahead and do it, if that would be all
11 right with you?

12 A. All right. The treatment that he did was in
13 my opinion very satisfactory and very acceptable
14 treatment.

15 Q. Would you now take what has been marked as
16 Plaintiff's Exhibit C and put that up on the chart?

17 A. We are to D. B action C action D.

18 Q. D, you are right?

19 A. We lost A.

20 Q. Doctor, don't go back in the chair yet.
21 Could you please tell us what that illustration is
22 intended to show?

23 A. Okay. This is the mouth. It is pulled
24 open. This is the tongue. This is the mid portion
25 of the tongue and this is the tip of the tongue. And

1 what this shows is what's called a partial
2 glossectomy or a removal of a portion of the tongue.
3 The mucosa has been cut. The tongue is the most
4 muscular organ in the body. So everything that you
5 see underneath there is muscle. So this is where a
6 small portion of the tongue has been taken off.

7 Q. Doctor Westbrook, in that illustration it
8 shows that the tip of the tongue has been preserved.

9 A. That's correct.

10 Q. Correct?

11 A. (Nodding yes).

12 Q. Can you tell me whether it is important to
13 attempt to preserve the tip of the tongue and if so
14 why?

15 A. Speech is better if you preserve the tip of
16 the tongue. Swallowing is better if you preserve the
17 tip of the tongue. You can get by without it, but,
18 in general, the more tongue you have the better, up
19 to extreme positions, I guess.

20 Q. Thank you, sir. Would you take the next
21 exhibit and I think I have got it straight this time,
22 34-E.

23 And can you tell us, please, what that
24 illustrates?

25 A. That simply shows the way you repair the

1 tongue when you do a partial glossectomy. It is a
2 very simple repair. You just simply pull the two
3 edges together and suture them up. The tongue heals
4 beautifully, it's got a tremendous blood supply.

5 Q. Thank you, Doctor, I will let you sit back
6 down now.

7 Doctor Westbrook, would you have treated
8 Sean Marsee any differently if he had been your
9 patient?

10 A. No, ma'am.

11 Q. What about the 41-day delay between the time
12 that he first saw Carl Hook and the date of the
13 operation?

14 A. Well, in general, when you see someone that
15 has a suspicious lesion that you think is cancer, you
16 would like to go ahead and treat it as soon as
17 possible. However, when you start to treat a cancer,
18 you have to take into account the patient that it is
19 in, what their wishes and desires are, and what harm
20 would be done by some delay. I know of no evidence
21 anywhere in the literature that a six weeks delay
22 alters the outcome in head and neck cancer. In many
23 major centers, if you try to refer a patient to major
24 head and neck cancer center, such as Memorial in New
25 York, it may be three weeks before you can even get

1 an appointment with one of the doctors there, then
2 once he sees you, it may be another couple of weeks
3 before you get on the schedule. So I don't think
4 that the six weeks delay is of any significance.

5 Q. All right. Doctor Westbrook, let me move on
6 and ask you a general question. Do the vast majority
7 of people who use snuff get oral cancer?

8 A. No.

9 Q. Do some people who don't use tobacco get
10 oral cancer?

11 A. Yes.

12 Q. Does everybody who is exposed to hepatitis
13 virus develop hepatitis?

14 A. No.

15 Q. Doctor, everybody who gets hepatitis gets it
16 from the hepatitis virus?

17 A. No. There are other causes of hepatitis.

18 Q. Doctor Westbrook, are there young people who
19 do not use tobacco who get oral cancer?

20 A. Yes.

21 Q. Is cancer of the mouth in a young person any
22 different a disease than cancer of the mouth in an
23 older individual?

24 A. It is no different in its appearance, in its
25 appearance under the microscope, in its behavior or

1 the way we treat it. So in general I'd say that
2 there is no difference in the disease.

3 Q. Doctor Westbrook, speaking from your
4 experience as a surgical oncologist, do you believe
5 that Sean Marsee would have developed the tongue
6 cancer that ultimately killed him if he had not
7 dipped snuff?

8 A. I certainly do not.

9 Q. And my final question. Do you know of any
10 worse way to die than head and neck cancer?

11 MR. JENNINGS: If the Court please, I object
12 to that.

13 THE COURT: Overruled.

14 A. I think that terminal head and neck cancer
15 is probably one of the worst ways that you can die.
16 You wind up unable to eat, unable to talk, unable to
17 breathe. You smell foul and people cannot go in the
18 room with you, but yet your brain is still working
19 and you understand everything that is going on about
20 it. Among cancer patients probably the suicide rate
21 is probably higher among head and neck cancer
22 patients than any other group of cancer patients.

23 MS. DESCHAMPS-BRALY: I have no further
24 questions.

25 THE COURT: Ladies and gentlemen, we will

1 take our noon recess. At this time, we will recess
2 until 1:30, remembering my usually admonitions to you
3 you will be excused until 1:30 and everyone remain
4 seated until the jury exits until 1:30.

5 Court will be in recess.
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